## AURORAS'AND SUNSPOTS.

PROBABLE CAUSES OF THE RECENT GREAT ELECTRIC STORM.

Discoveries of the German Scientists at

Hartford and of Prof. Brashear-

An Immense Beauty Spot on

the Solar Surface.

who read of sun The superstitious spots and comets and, gravely shaking their heads, pronounce them harbingers of great disaster, have ample material furnished them by the phenomena which are at present disturbing the heavens, to are at present disturoing the neavens, to build up their prophecies of coming evil. The transit of Venus is close at hand, the comet has swept the heavens with its broad tail, and night after night the northern heavens are illumined by magnificent auroras. Many are the speculations and fears of these superstitious people as to the result should the comet rush the result should the comet rush into the sun or the sun rush into the into the sun or the sun rush into the comet or if some other equally impossible catastrophe should happen. Scientists, however, are watching these

sible catastrophe should happen. Scientists, however, are watching these phenomena with peculiar interest and admiration, and efforts are constantly being made to discover their cause.

The German astronomers stationed at Hartford, Conn., by the German government to view the transit of Venus, while viewing the sun through a rift in the clouds last Tuesday, discovered an immense sun spot in violent cruption and constantly increasing in size. This discovery excited their intense interest and they have been making efforts to follow its further progress. Their opportunities have been but few, however, owing to the clouds, which obstructr their view of the sun at the proper to for making observations. They think it will soon be visible to the eye with the use of a smoked glass.

Mr. Brashear, in a letter to the Pittsburg Chronicle, thus describes the great sun spot as seen by him: "I had noticed, he says the spot coming on to the sun's edge on Mondey, and concluded that it would attain enormous proportions. In the telescope it was an object of singular beauty. Yesterday morning leximined it closely, and I think in all my lite I never saw so many beautiful feathery bridges and arms attecthing out from the penumbra borders of the spot across and into the great dark nucle. Every one of them was interesting sun spots on record. Its size is simply enormous. I projected the squ's interesting sun spots on record. Its size is simply enormous. The spot then measured four millimetres, the spot them measured four millimetres, and singless the spot to contain I should say the spot of the squ's interesting sun spots on record. Its size is simply enormous. The spot then measured four millimetres, which we will call 80,000 more of the spot to contain I should say in the spot to one of the magnetic conference in the sun's diameter, which we will call 80,000 mills enormous sun-spot is the cause of the spot spot of the sun's professor which have seed to the first spot of the sun's professor which have seed to the first of any intense